

Table V-8. Uncertainty Factors: 99% Confidence Level and 99% Percentile

Coefficient of Variation (CV)	Number of Samples (n)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
0.1	1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
0.2	2.5	2.0	1.9	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4
0.3	3.9	2.9	2.5	2.3	2.1	2.0	2.0	1.9	1.8	1.8	1.8	1.7	1.7	1.7
0.4	6.0	4.0	3.3	2.9	2.7	2.5	2.4	2.3	2.2	2.2	2.1	2.0	2.0	2.0
0.5	9.0	5.5	4.4	3.8	3.4	3.1	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.3
0.6	13	7.4	5.6	4.7	4.2	3.8	3.5	3.3	3.2	3.0	2.9	2.8	2.7	2.6
0.7	19	9.8	7.1	5.9	5.1	4.6	4.2	3.9	3.7	3.5	3.4	3.2	3.1	3.0
0.8	26	13	8.9	7.2	6.2	5.5	5.0	4.6	4.3	4.1	3.9	3.7	3.5	3.4
0.9	36	16	11	8.7	7.3	6.4	5.8	5.3	4.9	4.6	4.4	4.2	4.0	3.8
1.0	48	20	13	10	8.6	7.5	6.7	6.1	5.6	5.3	4.9	4.7	4.5	4.3
1.1	63	25	16	12	10	8.6	7.6	6.9	6.3	5.9	5.5	5.2	5.0	4.7
1.2	81	30	19	14	11	9.8	8.6	7.8	7.1	6.6	6.1	5.8	5.5	5.2
1.3	102	36	22	16	13	11	9.7	8.7	7.9	7.3	6.8	6.3	6.0	5.7
1.4	127	43	26	19	15	12	11	9.6	8.7	8.0	7.4	6.9	6.5	6.2
1.5	156	50	29	21	17	14	12	11	9.5	8.7	8.0	7.5	7.0	6.6
1.6	189	58	33	24	18	15	13	12	10	9.4	8.7	8.1	7.6	7.1
1.7	226	67	38	26	20	17	14	13	11	10	9.4	8.7	8.1	7.6
1.8	268	76	42	29	22	18	16	14	12	11	10	9.3	8.7	8.1
1.9	314	87	47	32	24	20	17	15	13	12	11	9.9	9.2	8.6
2.0	366	97	52	35	27	21	18	16	14	13	11	9.8	9.1	
2.1	422	109	57	38	29	23	19	17	15	13	12	11	10	9.6
2.2	483	121	63	42	31	25	21	18	16	14	13	12	11	10
2.3	549	133	68	45	33	26	22	19	17	15	14	12	11	11
2.4	621	147	74	48	36	28	23	20	18	16	14	13	12	11
2.5	698	160	80	52	38	30	25	21	19	17	15	14	13	12
2.6	780	175	86	55	40	32	26	22	19	17	16	14	13	12
2.7	867	190	93	59	43	34	28	23	20	18	16	15	14	13
2.8	961	206	99	63	45	35	29	25	21	19	17	15	14	13
2.9	1059	222	106	67	48	37	30	26	22	20	18	16	15	14
3.0	1163	239	113	71	51	39	32	27	23	21	18	17	15	14
3.1	1273	256	120	74	53	41	33	28	24	21	19	17	16	15
3.2	1389	274	127	78	56	43	35	29	25	22	20	18	16	15
3.3	1510	292	134	83	58	45	36	30	26	23	21	19	17	16
3.4	1636	311	142	87	61	47	38	32	27	24	21	19	17	16
3.5	1769	330	149	91	64	49	39	33	28	25	22	20	18	17
3.6	1907	350	157	95	66	51	41	34	29	25	23	20	18	17
3.7	2050	370	165	99	69	52	42	35	30	26	23	21	19	17
3.8	2200	391	173	104	72	54	44	36	31	27	24	22	20	18
3.9	2355	412	181	108	75	56	45	37	32	28	25	22	20	18
4.0	2516	434	189	112	78	58	46	39	33	29	25	23	21	19

Table V-8 continued.

Coefficient of Variation (CV)	Number of Samples (n)													
	15	16	17	18	19	20	30	40	50	60	70	80	90	100
0.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0.2	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
0.3	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2
0.4	1.9	1.9	1.9	1.8	1.8	1.8	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.3
0.5	2.2	2.2	2.1	2.1	2.1	2.0	1.8	1.7	1.6	1.5	1.5	1.4	1.4	1.3
0.6	2.6	2.5	2.4	2.4	2.3	2.3	2.0	1.8	1.7	1.6	1.6	1.5	1.5	1.4
0.7	2.9	2.8	2.8	2.7	2.6	2.6	2.2	2.0	1.8	1.7	1.7	1.6	1.5	1.5
0.8	3.3	3.2	3.1	3.0	2.9	2.9	2.4	2.2	2.0	1.9	1.8	1.7	1.6	1.6
0.9	3.7	3.6	3.5	3.4	3.3	3.2	2.6	2.3	2.1	2.0	1.9	1.8	1.7	1.6
1.0	4.1	4.0	3.8	3.7	3.6	3.5	2.8	2.5	2.2	2.1	1.9	1.8	1.8	1.7
1.1	4.5	4.4	4.2	4.1	3.9	3.8	3.1	2.6	2.4	2.2	2.0	1.9	1.8	1.8
1.2	5.0	4.8	4.6	4.4	4.3	4.1	3.3	2.8	2.5	2.3	2.1	2.0	1.9	1.8
1.3	5.4	5.2	5.0	4.8	4.6	4.5	3.5	3.0	2.6	2.4	2.2	2.1	2.0	1.9
1.4	5.9	5.6	5.4	5.2	5.0	4.8	3.7	3.1	2.8	2.5	2.3	2.2	2.0	1.9
1.5	6.3	6.0	5.7	5.5	5.3	5.1	3.9	3.3	2.9	2.6	2.4	2.2	2.1	2.0
1.6	6.8	6.4	6.1	5.9	5.7	5.5	4.1	3.4	3.0	2.7	2.5	2.3	2.2	2.0
1.7	7.2	6.9	6.5	6.3	6.0	5.8	4.3	3.6	3.1	2.8	2.5	2.4	2.2	2.1
1.8	7.7	7.3	6.9	6.6	6.4	6.1	4.5	3.7	3.2	2.9	2.6	2.4	2.3	2.1
1.9	8.1	7.7	7.3	7.0	6.7	6.4	4.7	3.9	3.3	3.0	2.7	2.5	2.3	2.2
2.0	8.6	8.1	7.7	7.4	7.0	6.7	4.9	4.0	3.4	3.0	2.8	2.5	2.4	2.2
2.1	9.1	8.6	8.1	7.7	7.4	7.1	5.1	4.1	3.5	3.1	2.8	2.6	2.4	2.3
2.2	9.5	9.0	8.5	8.1	7.7	7.4	5.3	4.3	3.6	3.2	2.9	2.7	2.5	2.3
2.3	10	9.4	8.9	8.4	8.0	7.7	5.5	4.4	3.7	3.3	3.0	2.7	2.5	2.4
2.4	10	9.8	9.3	8.8	8.4	8.0	5.7	4.5	3.8	3.4	3.0	2.8	2.6	2.4
2.5	11	10	9.7	9.2	8.7	8.3	5.9	4.7	3.9	3.4	3.1	2.8	2.6	2.4
2.6	11	11	10	9.5	9.0	8.6	6.0	4.8	4.0	3.5	3.1	2.9	2.6	2.5
2.7	12	11	10	9.9	9.4	8.9	6.2	4.9	4.1	3.6	3.2	2.9	2.7	2.5
2.8	12	11	11	10	9.7	9.2	6.4	5.0	4.2	3.7	3.3	3.0	2.7	2.5
2.9	13	12	11	11	10	9.5	6.6	5.1	4.3	3.7	3.3	3.0	2.8	2.6
3.0	13	12	12	11	10	9.8	6.7	5.3	4.4	3.8	3.4	3.1	2.8	2.6
3.1	14	13	12	11	11	10	6.9	5.4	4.5	3.9	3.4	3.1	2.8	2.6
3.2	14	13	12	12	11	10	7.1	5.5	4.5	3.9	3.5	3.1	2.9	2.7
3.3	14	13	13	12	11	11	7.2	5.6	4.6	4.0	3.5	3.2	2.9	2.7
3.4	15	14	13	12	12	11	7.4	5.7	4.7	4.0	3.6	3.2	2.9	2.7
3.5	15	14	13	13	12	11	7.5	5.8	4.8	4.1	3.6	3.3	3.0	2.8
3.6	16	15	14	13	12	12	7.7	5.9	4.9	4.2	3.7	3.3	3.0	2.8
3.7	16	15	14	13	12	12	7.8	6.0	4.9	4.2	3.7	3.3	3.0	2.8
3.8	17	15	14	14	13	12	8.0	6.1	5.0	4.3	3.8	3.4	3.1	2.8
3.9	17	16	15	14	13	12	8.1	6.2	5.1	4.3	3.8	3.4	3.1	2.9
4.0	17	16	15	14	13	13	8.3	6.3	5.1	4.4	3.9	3.5	3.1	2.9